

P96028b

16

CLAIMS

- 1 A drive mechanism for use in a drug delivery device comprising:
a housing;
- 5 a dose dial sleeve having a helical thread of a first lead; and
a two-part piston rod; characterised in that the said two-part piston rod comprises
an outer part having a helical thread of a second lead and an inner part having a
helical thread of a third lead, whereby the first lead of the thread of the dose dial
sleeve is equal to the sum of the second lead of the thread of the outer part of the
piston rod and the third lead of the thread of the inner part of the piston rod.
- 10
- 2 An assembly for use in a drug delivery device comprising the drive
mechanism as defined in claim 1.
- 15 3 A drug delivery device comprising the drive mechanism as defined in claim
1 or the assembly of claim 2.
- 4 The drug delivery device according to claim 3, which is a pen-type device.
- 20 5 The drug delivery device according to any of claim 3 to 4, which is an
injector-type device.
- 6 The drug delivery device according to any of claim 3 to 5, which comprises
a needle.
- 25
- 7 The drug delivery device according to any of claim 3 to 5, which is a
needle-free device.
- 8 The use of a drug delivery device as defined in any of claims 3 to 7 for
30 dispensing a medicinal product.
- 9 The use of a drug delivery device according to claim 8 for dispensing a
pharmaceutical formulation comprising an active compound selected from the

P96028b

17

group consisting of insulin, growth hormone, low molecular weight heparin, their analogues, and their derivatives.

10 The method of manufacturing or assembling a drug delivery device,
5 comprising the step of providing a drive mechanism as defined in claim 1 or an
assembly as defined in claim 2.